

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,157,972 B2
APPLICATION NO. : 10/731832
DATED : January 2, 2007
INVENTOR(S) : Hajimiri et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

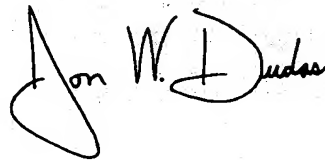
Col. 8, between lines 30 and 35 of the equation, please change " R_s " to $-- r_s --$.

Col. 9, between lines 20 and 25 of the equation, please change " R_s " to $-- r_s --$.

Col. 10, line 1 of the equation, please change " R_s " to $-- r_s --$.

Signed and Sealed this

Thirteenth Day of March, 2007

A handwritten signature in black ink, reading "Jon W. Dudas". The signature is stylized, with a large loop for the "J" and a distinct "D".

JON W. DUDAS
Director of the United States Patent and Trademark Office